

ABSTRACT

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The present invention is directed to the identification genes that are expressed at a higher level in certain FSH or FSH Mimetic treated cells than in otherwise identical untreated cells. Genes that are expressed at a higher level in FSH or FSH Mimetic treated cells than untreated cells ("FSH or FSH Mimetic stimulated genes") are of interest, in part, because FSH or FSH Mimetics can or could influence a wide range of cellular processes and responses in reproduction, including steroidogenesis and gamatogenesis. The identified FSH or FSH Mimetic stimulated genes and the proteins they encode can be used: 1) as therapeutic agents which modulate a cellular process or response that is influenced by FSH or FSH Mimetic; 2) as targets for use in high throughput screening and the development of therapeutic agents which modulate a cellular process or response that is influenced by FSH or FSH Mimetic; and 3) as markers which can be used to detect and monitor a cellular process or response that is influenced by FSH or FSH Mimetic.